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			2143	

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Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/876,576

Applicant(s)

OKU, KAZUHO

Examiner

Alina N Boutah

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 07 June 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-46 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-46 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 07 June 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>7/12/04</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Information Disclosure Statement

The information disclosure statement (IDS) submitted on July 12, 2004 is being considered by the examiner.

Specification

The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 10 and 22 rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Regarding claims 10 and 22, the phrase "i.e. performing a channeling" renders the claim indefinite because it is unclear whether the limitations following the phrase are part of the claimed invention. See MPEP § 2173.05(d).

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-9, 40-41 and 45-46 are rejected under 35 U.S.C. 102(e) as being anticipated by USPN 6,684,087 issued to Yu et al. (hereinafter Yu).

Regarding claim 1, Yu teaches a network service system comprising: a data server for receiving contents from a plurality of network web servers that respectively provide the contents, and providing the contents to a portable terminal via the network, the data server comprising a contents processor for processing the contents transmitted by the web servers according to standards of the portable terminal (abstract; figures 1, 3A and 6B).

Regarding claim 2, Yu teaches the system of claim 1, wherein the contents processor has an image compression function for reducing sizes and number of colors of images, and the data server further comprises a proxy unit for calling the contents processor in the case the contents transmitted by the web servers contain image information (abstract; col. 2, lines 10-25).

Regarding claim 3, Yu teaches a network service method for providing network contents to a portable terminal via a data server, the data server processing the contents requested by the portable terminal so as to fit standards of the portable terminal, and providing the processed contents to the portable terminal (abstract; figures 1, 3A and 6B).

Regarding claim 4, Yu teaches a network service system comprising: a user terminal for receiving contents from a plurality of network web servers that respectively provide the contents and providing the contents to a portable terminal, the user terminal comprising a contents processor for processing the contents transmitted by the web servers according to standards of the portable terminal (abstract; figures 1, 3A and 6B).

Regarding claim 5, Yu teaches the system of claim 4, wherein the contents processor has an image compression function for reducing sizes and number of colors of images, and the user terminal further comprises a proxy unit for calling the contents processor in the case the contents transmitted by the web servers contain image information (abstract; figures 1, 3A and 6B).

Regarding claim 6, Yu teaches a network service method for providing network contents to a portable terminal via a user terminal, the user terminal processing the contents requested by the portable terminal so as to fit standards of the portable terminal, and providing the processed contents to the portable terminal (abstract; figures 1, 3A and 6B).

Regarding claim 7, Yu teaches a data server for providing network contents to a portable terminal, the data server for processing the network contents according to standards of the portable terminal, and when the contents are inappropriate for the standards of the portable terminal, activating processing of the network contents according to the standards of the portable terminal (abstract; figures 1, 3A and 6B).

Regarding claim 8, Yu teaches a computer program for implementing a first function for processing network contents according to standards of a portable terminal, and a second function for activating processing of the network contents according to the standards of the portable terminal when the contents are inappropriate for the standards of the portable terminal, in a computer for providing network contents to the portable terminal (abstract; figures 1, 3A and 6B).

Regarding claim 9, Yu teaches a portable terminal for receiving network contents via a data server that has a processing function for processing the network contents according to standards of the portable terminal, and a controlling function for activating the processing function when the contents are inappropriate for the standards of the portable terminal (abstract; figures 1, 3A and 6B).

Regarding claim 40, Yu teaches a computer program for implementing a contents processing function for processing the contents provided by a web server to fit its standards (abstract; figures 1, 3A and 6B).

Regarding claim 41, Yu teaches in a user terminal for receiving contents from a network web server, a user terminal comprising:

a contents processor for processing the contents transmitted by the web server to fit standards of a portable terminal (abstract; figures 1, 3A and 6B); and

a communication port for transmitting the processed contents to the portable terminal (abstract; figures 1, 3A and 6B).

Regarding claim 45, Yu teaches a computer program for implementing a contents processing function for processing contents transmitted by a web server to fit standards of a portable terminal, and a communication port function for transmitting the processed contents to the portable terminal, by a computation function of a user terminal for receiving the contents from a network web server (abstract; figures 1, 3A and 6B).

Regarding claim 46, Yu teaches a computer program for implementing a network interface function for accessing a plurality of web servers via a network and receiving

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corresponding contents, with an image compression function for reducing sizes or number of colors of images of the contents provided by the web servers to fit standards of a portable terminal, a controlling function for monitoring the contents transmitted by the web servers, and when the contents transmitted by the web servers include image information, performing the image compression function, and a communication port function for transmitting the contents processed by the controlling function to the portable terminal, by a computation function of a user terminal for accessing the portable terminal and the web servers via the network (abstract; figures 1, 3A and 6B).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 10-44 are rejected under 35 U.S.C. 103(a) as being unpatentable over USPN 6,185,625 issued to Tso et al. (hereinafter Tso) in view of USPN 6,594,682 issued to Peterson et al. (hereinafter Peterson).

Regarding claim 10, Tso teaches a data server, to which a portable terminal is connected via a network for receiving contents from a plurality of web servers that respectively provide the contents, comprising:

an image compressor for receiving the contents from the web servers and reducing sizes or number of colors of images according to standards of the portable terminal (abstract; figures 3 and 7; col. 2, line 49 to col. 3, line 12); and

a proxy unit for monitoring the contents transmitted by the portable terminal or the web server, and when the contents transmitted by the web servers include image information, calling the image compressor (abstract; figures 3 and 7; col. 2, line 49 to col. 3, line 12).

Regarding claim 11, Tso teaches the data server of claim 10, further comprising a filter for filtering information that is inappropriate or not necessary for the portable terminal, from among the contents transmitted by the web servers (col. 16, lines 20-30).

Regarding claim 12, Tso fails to explicitly teach the data server of claim 10, further comprising a channel generator for gathering a plurality of contents having a predetermined subject, provided by the web servers, and binding the contents into a single channel (i.e., performing a channeling). Peterson teaches channeling unit for gathering a plurality of contents of a predetermined subject provided by a plurality of web servers and binding them into a single channel (figure 5). At the time the invention was made, one of ordinary skill in the art would have been motivated to gather a plurality of contents and binding them into a single channel in order to organize the content according to user's preference, thus facilitating in searching and retrieving only wanted contents.

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Regarding claim 13, Tso teaches the data server of claim 12, wherein the channel generator inserts advertisement contents into the contents of the predetermined subject and channels them (col. 19, lines 58-59).

Regarding claim 14, Tso teaches the data server of claim 12, wherein the web servers provide the contents to the data server via the network (figure 1).

Regarding claim 15, Tso fails to explicitly teach the data server of claim 12, wherein the proxy unit checks whether a uniform resource locator (URL) input by the portable terminal is a channel URL that is of a set of URLs of a plurality of the web servers that provide the contents of a predetermined subject, and when the URL input by the portable terminal is a channel URL, the proxy unit calls the channel generator. Peterson teaches calling the channel generator when the URL input by the terminal is a channel URL (abstract; figures 7-9). At the time the invention was made, one of ordinary skill in the art would have been motivated to call the channel generator when the URL input is a channel URL in order to allow user to access the desired content.

Regarding claim 16, Tso fails to explicitly teach the data server of claim 15, wherein the portable terminal includes a plurality of channel icons that respectively have channel URL information of a predetermined subject, and wherein a user sets a channel icon of the portable

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terminal and inputs the channel URLs. Peterson teaches the portable terminal including a plurality of channel icons that respectively have channel URL information of a predetermined subject, and wherein a user sets a channel icon of the portable terminal and inputs the channel URLs (figure 5). At the time the invention was made, one of ordinary skill in the art would have been motivated to enable the terminal to include a plurality of channel icons that respectively have channel URL information of a predetermined subject in order to organize the content according to user's preference, thus facilitating in searching and retrieving only wanted contents.

Regarding claim 17, Tso fails to teach the data server of claim 16, wherein the channel icon of the portable terminal is downloaded from the data server. Peterson teaches downloading the channel icon from the data server (figures 5 and 6). At the time the invention was made, one of ordinary skill in the art would have been motivated to download the channel icon from the data server in order to allow user to access the desired content

Regarding claim 18, Tso fails to explicitly teach the data server of claim 16, wherein the portable terminal comprises a program for making or editing the channel icon. Peterson teaches a program for making or editing the channel icon (col. 3, lines 54-60). At the time the invention was made, one of ordinary skill in the art would have been motivated to employ a program for making or editing the channel icon in order to allow to order to organize the content according to user's preference, thus facilitating in searching and retrieving only wanted contents.

Regarding claim 19, Tso fails to explicitly teach the data server of claim 16, wherein the portable terminal receives the channel icon via a computer, the channel icon being made or edited by the user using the computer that includes the program for making or editing the channel icon. Peterson teaches the portable terminal receiving the channel icon via a computer, the channel icon being made or edited by the user using the computer that includes the program for making or editing the channel icon (col. 3, lines 54-60). At the time the invention was made, one of ordinary skill in the art would have been motivated to employ a program for making or editing the channel icon in order to allow to order to organize the content according to user's preference, thus facilitating in searching and retrieving only wanted contents.

Regarding claim 20, Tso teaches in a service method of a network service system, to which a portable terminal is connected via the network for receiving contents from a plurality of web servers that provide the contents, a network service method comprising:

requesting, when a uniform resource locator (URL) of a web server that provides the contents is input via the portable terminal, the contents from the web server corresponding to the input URL (figures 3 and 8; abstract)

reducing sizes or number of colors of the images of the contents transmitted by the web server and compressing the images according to standards of the portable terminal so as to convert the contents (abstract; figures 3 and 7; col. 2, line 49 to col. 3, line 12); and

transmitting the converted contents to the portable terminal via the network (abstract and col. 2, line 49 to col. 3, line 12).

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Regarding claim 21, Tso teaches the network service method of claim 20, further comprising: filtering information that is inappropriate or not necessary for the portable terminal, from among the contents provided by the web server (col. 16, lines 20-30).

Regarding claim 22, Tso teaches the network service method of claim 20, further comprising:

checking whether the URL input by the portable terminal is a channel URL that is of a set of URLs of a plurality of web servers that provide contents of a predetermined subject (figures 8-10; col. 18, lines 33-52); and

However, Tso fails to teach gathering, when the URL is of the channel URLs, the contents of the predetermined subject transmitted by the web servers and binding the contents into a single channel (i.e., performing channeling). Peterson teaches gathering the contents of the predetermined subject transmitted by the web servers and binding the contents into a single channel (figure 5). At the time the invention was made, one of ordinary skill in the art would have been motivated to gather a plurality of contents and binding them into a single channel in order to organize the content according to user's preference, thus facilitating in searching and retrieving only wanted contents.

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Regarding claim 23, Tso teaches the network service method of claim 22, wherein in the performance of channeling, advertisement contents are inserted into the contents of a predetermined subject and then a channeling step is performed on them (col. 19, lines 58-59).

Regarding claim 24, Tso teaches in a network service system, to which a portable terminal is connected via the network for receiving contents from a plurality of web servers that provide the contents, a network service system comprising:

a data server for receiving the contents from the web servers and processing the contents to convert them according to standards of the portable terminal, and transmitting the converted contents to the portable terminal via the network (abstract; figures 3 and 7; col. 2, line 49 to col. 3, line 12); and

Although Tso does not explicitly teach an advertisement server, connected to the data server via the network, for storing various advertisement contents, he teaches inserting advertisement into the contents (col. 19, lines 58-59). In order to do so, advertisement has to be inherently stored somewhere and is somehow connected to the web server.

Regarding claim 25, Tso the system of claim 24, wherein the data server comprises: an image compressor for receiving the contents from the web servers, reducing sizes and number of colors of images of the contents and compressing the images according to standards of the portable terminal (abstract; figures 3 and 7; col. 2, line 49 to col. 3, line 12);

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a filter for filtering information that is inappropriate or not necessary for the portable terminal from among the contents transmitted by the web server (col. 16, lines 20-30);

a user database for storing user data corresponding to user information input by the portable terminal (figure 7); and

a proxy unit for monitoring the data transmitted by the portable terminal or the web server, and calling and controlling the image compressor, the filter and the channel generator according to the data (figure 7).

However, Tso fails to teach a channel generator for gathering the contents of a predetermined subject provided by the web servers and binding them into a single channel. Peterson teaches a channel generator for gathering the contents of a predetermined subject provided by the web servers and binding them into a single channel (figure 5). At the time the invention was made, one of ordinary skill in the art would have been motivated to gather a plurality of contents and binding them into a single channel in order to organize the content according to user's preference, thus facilitating in searching and retrieving only wanted contents.

Regarding claim 26, Tso teaches the system of claim 25, wherein the proxy unit calls the image compressor when the contents transmitted by the web server include image information (figure 7).

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Regarding claim 27, Tso fails to teach the system of claim 25, wherein the proxy unit checks whether a URL input by the portable terminal is a channel URL that is of a set of URLs of the web servers that provide the contents of a predetermined subject, and in the case the URL input by the portable terminal is a channel URL, the proxy unit calls the channel generator.

Peterson teaches a proxy checking whether a URL input by the portable terminal is a channel URL that is of a set of URLs of the web servers that provide the contents of a predetermined subject, and in the case the URL input by the portable terminal is a channel URL, the proxy unit calls the channel generator (abstract; figures 7-9). At the time the invention was made, one of ordinary skill in the art would have been motivated to call the channel generator when the URL input is a channel URL in order to allow user to access the desired content.

Regarding claim 28, Tso teaches the system of claim 25, wherein the channel generator inserts advertisement contents transmitted by the advertisement server into the contents of a predetermined subject provided by the web server and binds them (col. 19, lines 58-59).

Regarding claim 29, Tso teaches the system of claim 28, wherein the proxy unit extracts user data corresponding to user information input by the portable terminal from the user database and transmits the extracted user data to the advertisement server, and the advertisement server transmits the advertisement contents based on the extracted user data to the proxy unit (col. 19, lines 58-59).

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Regarding claim 30, Tso teaches the system of claim 29, wherein the user information includes ID and passwords, and the user data include at least one of user's general information, electronic commerce information and previously transmitted advertisement information (col. 13, lines 1-21).

Regarding claim 31, Tso teaches the system of claim 29, wherein the advertisement server is connected to the data server via an exclusive network (col. 19, lines 58-59).

Regarding claim 32, Tso teaches the system of claim 29, wherein the advertisement server connected to the data server via the network is a web server of an advertisement contents provider (col. 19, lines 58-59).

Regarding claim 33, Tso teaches the system of claim 29, wherein in the case the converted contents comprise a plurality of streams, the proxy unit controls timing of each transmission stream (col. 6, lines 28-59).

Regarding claim 34, Tso teaches in a network service method of a network service system, to which a portable terminal is connected via the network for receiving contents from a plurality of web servers that provide the contents, a network service method comprising:

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searching, when a uniform resource locator (URL) of a web server for providing the contents via the portable terminal and user information are input, a user database and extracting user data (col. 13, lines 1-21);

requesting the contents from the web server corresponding to an input URL, and transmitting the extracted user data to an advertisement server (col. 16, lines 20-30);

filtering information that is inappropriate or not necessary for the portable terminal from among the contents transmitted by the web server (col. 16, lines 20-30);

reducing sizes or number of colors of images of the filtered contents or compressing the images according to standards of the portable terminal, and inserting advertisement contents corresponding to the user data transmitted by the advertisement server into the filtered contents to convert the contents (abstract; figures 3 and 7; col. 2, line 49 to col. 3, line 12); and

transmitting the converted contents to the portable terminal via the network (abstract).

Regarding claim 35, Tso fails to teach the method of claim 34, further comprising: checking whether the URL input by the portable terminal is a channel URL that is of a set of URLs of a plurality of web servers that provide contents of a predetermined subject; and gathering the contents of a predetermined subject provided by the web server and binding the same into a single channel. Peterson teaches checking whether the URL input by the portable terminal is a channel URL that is of a set of URLs of a plurality of web servers that provide contents of a predetermined subject, and gathering the contents of a predetermined subject

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provided by the web server and binding the same into a single channel (figure 5). At the time the invention was made, one of ordinary skill in the art would have been motivated to gather a plurality of contents and binding them into a single channel in order to organize the content according to user's preference, thus facilitating in searching and retrieving only wanted contents.

Regarding claim 36, Tso teaches in a portable terminal for receiving contents from a network web server, a portable terminal comprising:

a network interface for accessing the web server via the network (figures 1, 2, 4, 5 and 7);
and

a contents processor for processing the contents provided by the web server to fit its standards (figure 7).

Regarding claim 37, Tso teaches the terminal of claim 36, wherein the contents processor reduces sizes or number of colors of images, and comprises a proxy unit for monitoring the contents transmitted by the web server, and when the contents transmitted by the web server include image information, calling the contents processor (abstract; figures 3 and 7; col. 2, line 49 to col. 3, line 12).

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Regarding claim 38, Tso teaches the terminal of claim 36, further comprising: a memory for storing the contents processed by the contents processor (figure 1); and a display for displaying the contents processed by the contents processor (figure 1).

Regarding claim 39, Tso fails to teaches the terminal of claim 36, further comprising a channeling unit for gathering a plurality of contents of a predetermined subject provided by a plurality of web servers and binding them into a single channel. Peterson teaches channeling unit for gathering a plurality of contents of a predetermined subject provided by a plurality of web servers and binding them into a single channel (figure 5). At the time the invention was made, one of ordinary skill in the art would have been motivated to gather a plurality of contents and binding them into a single channel in order to organize the content according to user's preference, thus facilitating in searching and retrieving only wanted contents.

Regarding claim 42, Tso teaches in a user terminal connected via a network to a portable terminal and a plurality of web servers that provide contents, a user terminal comprising:

a network interface for accessing the web servers via the network and receiving corresponding contents (figure 3A);

an image compressor for receiving the contents from the web servers and reducing sizes and number of colors of images of the contents provided by the web servers (abstract; figures 1, 3A and 6B);

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a controller for monitoring the contents transmitted by the web server, and when the contents transmitted by the web server include image information, calling the image compressor; and

a communication port for transmitting the contents processed by the controller to the portable terminal (abstract; figures 1, 3A and 6B).

Regarding claim 43, Tso teaches the terminal of claim 42, wherein the controller further comprises a filter for filtering information that is inappropriate or not necessary for the portable terminal, from among the contents provided by the web servers (abstract; figures 1, 3A and 6B).

Regarding claim 44, Tso fails to teach the terminal of claim 42, wherein the controller further comprises a channeling unit for gathering a plurality of contents of a predetermined subject provided by a plurality of web servers and binding the contents into a single channel. Peterson teaches comprises a channeling unit for gathering a plurality of contents of a predetermined subject provided by a plurality of web servers and binding the contents into a single channel (figure 5). At the time the invention was made, one of ordinary skill in the art would have been motivated to gather a plurality of contents and binding them into a single channel in order to organize the content according to user's preference, thus facilitating in searching and retrieving only wanted contents.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

1. USPN 6,742,047 issued to Tso.
2. USPN 6,138,156 issued to Fletcher et al.
3. USPN 6,453,329 issued to Dodgen.
4. USPN 6,604,143 issued to Nagar et al.
5. USPN 6,704,024 issued to Robotham et al.
6. USPN 6,028,600 issued to Rosin et al.
7. US 2004/0160637 submitted by Tuli.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alina N Boutah whose telephone number is 571-272-3908. The examiner can normally be reached on Monday-Thursday (9:00 am - 7:00 pm).


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David A Wiley can be reached on 571-272-3923. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



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